



# **Quarterly Assessment Report of IQAC (January 2022 to March 2022)**

IQAC Chairperson: Dr Sangheetha S.

IQAC Director: Dr Kavitha S. Murugesan

Internal Quality Assurance Cell

## The Quarterly Assessment Report (QAR) of the IQAC

*For affiliated engineering colleges*

The academic activities were conducted in offline mode for all the under graduate and post graduate courses. The classes for S8 B.tech, S3 M.tech, S1, S3, S5 B.tech and S1 M.Tech concluded during January, February and March, 2022. University examinations by KTU for S7 were conducted during January and February in offline mode following Covid protocols and S8 classes commenced in March, 2022. Examinations by KTU for lower semesters and PG course were continuing during March in a strict manner following the regular guidelines along with COVID protocols. S4 M.tech classes commenced on March 21<sup>st</sup>, 2022.

### **Data of the Institution**

Name of the Institute	Vedavyasa Institute of Technology, Karadparamba
Name of the Head of the Institution	Dr Sangheethaa S.
Designation	Principal
Does the Institution function on its own campus	Yes
Phone no	0483 283 2157
Mobile No	9446565077, 9747552961
Registered email	<a href="mailto:vvit@vedavyasa.org">vvit@vedavyasa.org</a>
Address	Karadparamba P.O. Malappuram District Pin Code 673 632, Kerala
City/Town	Ramanattukara (ii) 16 km from Calicut Railway Station
Institutional Status Affiliation	Has affiliation
Type of Institution	Co-education
Location: rural/ semi-urban/urban	Rural
Financial status	Private, self-financing
Name of the IQAC Convener/Director	Dr S. Kavitha Murugesan
Phone no	9061212493
IQAC email address	<a href="mailto:vvitofficialsheads@gmail.com">vvitofficialsheads@gmail.com</a>
Web-site address	<a href="http://www.vedavyasa.org/vvit">www.vedavyasa.org/vvit</a>
Web-link of IQAC, QAR	<a href="https://www.vedavyasa.org/vvit/about.php#IQACCell">https://www.vedavyasa.org/vvit/about.php#IQACCell</a>
About Academic Calendar	New academic calendar released by the University was followed.
Accreditation	Effort for accreditation is under way. (one program)
Status of IQAC	Formed on 1-8-2019, and functional

**Summary of academic activities that maintain and/or enhance quality standards.**

Previous QAR submitted : For a period of 1 year Consolidated Annual report was submitted in January 2022.

**IQAC meeting**

Number of meetings conducted in last 3 months: 2

Important decisions taken :

1. The internal audit of the odd semesters by the IQAC auditors was completed and the reports were submitted.
2. The internal lab auditing of the various departments were fixed and it was instructed to do the auditing by the interdepartmental auditors before March 31<sup>st</sup>, 2022.
3. The series exam of S8 were scheduled as per the KTU regulations and to be held on 11<sup>th</sup> and 12<sup>th</sup> April, 2022 with two exams per day. The question paper scrutiny dates were fixed and the questions papers should cover 2.5 to 3 modules and should include CO1, CO2 and CO3.

**Methods imparted to improve the quality of teaching learning process**

- Periodic meetings were conducted with stake holders and other prominent people from the industry within the department levels for improving the quality of education.

**Commendations**

- Vedavyasa Institute of Technology was awarded the best student chapter by Indian Concrete Institute Calicut Centre and the teacher and student representatives received the award from the ICI officials in a function held as a part of concrete day celebrations at Raviz Kadavu resort, Kozhikode on 16<sup>th</sup> March, 2022.
- Mr. Vinoth Khanna, Asst. Prof., Dept of ME presented two papers in National Conference on Advances in Mechanical Sciences at Mahendra Institute of Technology from 3<sup>rd</sup> to 5<sup>th</sup> January, 2022.
- Mr. Vinoth Khanna, Asst. Prof., Dept of ME presented two papers in International Conference On Smart Environment Management And Solutions (ICEMS) at IFERB, New Horizon College of Engineering from 10<sup>th</sup> to 11<sup>th</sup> January, 2022.
- Mr. Vinoth Khanna, Asst. Prof., Dept of ME served as the resource person for a session on “Journal Selection and Research Publication” at Vel Tech University, Chennai through online platform on 21<sup>st</sup> January, 2022.
- Mr. Vinoth Khanna, Asst. Prof., Dept of ME served as the resource person for Webinar on “Recent Trends in Mechanical Engineering” at SRIET, Coimbatore through online platform on 18<sup>th</sup> February, 2022.
- Mr. Vinoth Khanna, Asst. Prof., Dept of ME presented two papers 4th International Conference on “Advances in Mechanical Engineering” – ICAEME 2022 at SRM Institute of Science and Technology on 24<sup>th</sup> March, 2022.
- The following papers were published by faculty in CSE Dept. in International Journal of Advanced Research in Science, Communication & Technology

Evaluating The Role of Block Chain Technology in Corona Virus Disease (Covid 19)  
Dr. S. Kavitha Murugesan, Miss. Shibi. B, Aswathi N K, et.al, Blockchain Technology and its Applications and Appeals in Commercial World Ms. Nirja Das and Ms. Aamefa P K, et.al, Blockchain in Weapon Tracking, Dr. S. Senthilkumar, Krishna, Navya, Adhithya, Shahan, Nitha, Shibi B, et.al, Ease of Blockchain in Supply Chain Management, Dr. S. Sobana, Arya, Sandra, Jenson, Hari Krishnan, Syam Krishnan,

Ameefa P K,et.al, An Overview of Blockchain Technology for Secure Data Transformation in Data Science, Jinsha and Silpa A P et.al., Benefits of Blockchain in the Manufacturing Industry, Mufeed Sha and Silpa,et.al, Application of Blockchain Technology in Financial Industry, Dr. M. Nithya, Aysha Alana, Abhishek, Vijay, Bino Shalin, Shreya Jayaraj, Dr Kavitha S Murugesan,et.al, An Overview of Prospective Agricultural Systems using Blockchain, Nihala C. P and Anjana P,et.al, Blockchain Service Over Cloud Computing Environment, Fahimshad S. V. and Kavitha Murugesan,et.al, A Survey of the Functions of Blockchain E-Voting, Ms. Shaikha Shamin V and Ranjana,et.al, An Overview on Blockchain Smart Applications, Binu A.R., Akshay. C. P., Karthik. R., Piyush Raja and Ranjana C,et.al, Unmanned Aerial Vehicles with Blockchain Technology, Sanandan S, Mohammed Lisan M, Mohammed Faris PP, Dr. S Kavitha Murugesan,et.al, Blockchain-Based Lightweight and Secured V2V Communication in the Internet of Vehicles, Akash. K, Rahul CK, Akshay K, Ms. Shibi B,et.al, A Survey of Block Chain in Cyber Physical Systems, Dr. S. Danraj, Naseef Abdul Nizar, Amarnath K, Thejas Brown, Dr. S Kavitha Murugesan,et.al, Survey on Smart Contracts and Chaincode, Ms. Haseena B.A, Ajith Jose, Arathi, Mohammed Rashid, Sruthi C K,et.al, Summary of Blockchain in Future, Mr. Periyaswamy, Aravind E, Sanjay V Menon, Sruthi C K,et.al, Blockchain and Distributed Ledger Technology-Survey, Dr. S. Sobana, Nibin M S, Soorya K P, Muhammed Rufaid A, Silpa A K,et.al, Fault Tolerant Mechanism in Blockchain-Survey, Dr. S. Danraj, Rohit N, Hiban Parol, Sreeshnav K, Ranjana C,et.al, A Survey of Security of Blockchain, Dr. S. Sobana, Akshay K K, Adithya, Sahin, Ginnu George et.al, Solutions to Scalability of Blockchain: A Survey, Dr. M. Nithya, Akshay M, Amra Fathima M, Abhinand ET, Ranjana C,et.al, Survey of Blockchain In IoT (Internet Of Things), Ms. Jinnu George, Akshay C P, Sahal C, Nandana Babu K, Silpa A K,et.al, Blockchain in Social Network, Dr. S. Senthilkumar, Raasha K A, Nishal K T, Saynul Abid, Ameefa P K,et.al, Blockchain Technology And Its Applications For Education, Mr. Periyasamy, Ketan George James, Aadith Krishnan, Abhishek P, Shibi B,et.al.

#### **Activities to fill Curricular Gap / Activities as part of MoUs signed**

- Department of Civil engineering in association with ICI Calicut Centre organized a webinar on the concepts and Design of IDF curve in the construction of hydrologic structures on 11th March 2022. The Resource Person was Dr. Praveen Kumar Ch, PhD (IIT Bombay) Asst. Prof. Civil Engineering Department, SR University, Telangana, India.

#### **Activities by Professional Bodies**

- CSE Department in association with ACM organized a Distinguished Speaker Program on “Artificial Intelligence ,Machine Language And Deep learning” by Dr Aswani Kumar Cherrukuri on 4<sup>th</sup> January 2022.
- CSE Department organized Webinar session on” Cyber security Awareness and Opportunities “ organised by CSE Department and CySI VVIt in association with RedTeam Hacker Academy on 21<sup>st</sup> January, 2022.
- ME Department in association with IWS organized a session on Webinar on “New Welding Technology Trends for 2022 and beyond”on 29<sup>th</sup> January, 2022 and the resource person was Mr. Vinoth kanna I, Asst. Prof. – Mech - VVIT.
- ME Department in association with IWS organized a session on Webinar on “Advancement in Welding Technology” on 29<sup>th</sup> January, 2022 and the resource person was Mr. Vinoth kanna I, Asst. Prof. – Mech - VVIT.

- Department of Civil Engineering conducted the Association Inaugural 2022 on 11<sup>th</sup> February, 2022 along with VVIT ICI magazine (NIRMAN 2021-22) release. Er Shaju K, Chairman of ICI Calicut Centre, Er Sajith Bhaskar, Secretary, ICI Calicut Centre and Er Sreenidh V, Sr Manager of Technical Service, The Ramco Cements Ltd, graced the occasion.
- A technical talk on the topic Building Rules and Regulations in the Construction Industry by Er B Shaji, District Secretary of LENSFED, Malappuram was conducted in association with ICI Calicut Centre on 11<sup>th</sup> February, 2022.
- CSE Department in association with ACM organized a Distinguished Speaker Program on “Security in Medical Image communication” by Dr Parameshachari on 26<sup>th</sup> February, 2022.
- The inauguration of IEEE SB VVIT was done on 5<sup>th</sup> March, 2022 in hybrid mode.
- Dept. of CE in association with ICI Calicut Centre conducted a Webinar on “The Concepts and Design of IDF Cuve in the Construction of Hydrologic Structures” by the Resource Person: Dr Praveen Kumar Ch, PhD (IIT Bombay) Asst Professor, SR University, on 11<sup>th</sup> March, 2022.

#### **IIC Cell Activities**

- An offline Workshop on Design Thinking, Critical thinking and Innovation Design was conducted on 30<sup>th</sup> January 2022 and the resource person was Mr. Vinoth kanna I – Associate Professor – Mech Dept., VVIT. Around 60 participants were benefited by the session.
- A technical session on Multiple Access Techniques was delivered by Dr. Periasami C., Professor, Dept. Of Electronics & Communication Engg., on 23<sup>rd</sup> February, 2022.
- An offline session on “An Awareness Program on Intellectual Property For Young Engineers” was conducted on 23<sup>rd</sup> February 2022, by Dr. Periasami C., Professor, Dept. Of Electronics & Communication Engg.
- A seminar on “Integrated approach in science and technology for sustainable future” was conducted on 28<sup>th</sup> February, 2022 and the resource person was Dr. Julin Joseph, Assistant Professor, St. Josephs college for women, Alappuzha.
- Dr. Kavitha S. Murugesan, Dr. Periasamy C., and Mr. Vinoth Khanna, attended the Mentor-Mentee Programme for IIC Institutions, I&E visit cum training program, March 10<sup>th</sup> to 11<sup>th</sup>, 2022 at NIT, Calicut.
- A session on “How to plan for Start-up and legal & Ethical Steps” was delivered by Dr. Periasami C., Professor, Dept. Of Electronics & Communication Engg. On 30<sup>th</sup> March 2022.

#### **Placement Cell Activities**

- Mr. Rahul, Civil Dept. got placed as BIMLAB trainee at Arth Design build, Hyderabad.
- Proposal for conducting a placement drive has been discussed and is in the planning stage.
- A session on how to draft a resume and mock interview sessions are planned.

#### **Techtalks/Seminars by teachers**

Techtalks are given by teachers on a latest topic in there area of interest, every week on Wednesdays. In the last quarter the following were done.

- Low Temperature Thermal Desalination by Mr. Binoy P., AP, ME Dept. on 5<sup>th</sup> January, 2022
- Quantum Computing by Ms Ranjana C, AP, CSE Dept. on 12<sup>th</sup> January, 2022
- Interesting facts about Mathematics by Ms. Saranya Sreedharan, AP, S&H Dept. on 19<sup>th</sup> January, 2022
- Photoelasticity by Mr. Vyshak K V, AP, ME Dept. on 2<sup>nd</sup> February, 2022
- MicroWind Turbine technology by Ms. Ashitha T., EEE Dept. on 26<sup>th</sup> January, 2022
- TIDAL POWER” by Ms. Soumya K., AP, EEE Dept. on 9<sup>th</sup> February, 2022
- Photoelectric effect by Mr. Muhammed Rashique, AP, S&H Dept. On 16<sup>th</sup> February, 2022
- Multiple Access Techniques by Dr. Periasamy C., Professor & Head, ECE Dept. on 23<sup>rd</sup> February, 2022
- Environmental Impact Assessment by Mrs. Megha O., AP, CE dept. On 2<sup>nd</sup> March, 2022
- Wireless sensor Network by Mrs. Anitta Chacko, AP, ECE Dept. On 9<sup>th</sup> March, 2022
- Framed Structures by Mrs. Anjusha R., AP, CE Dept. On 16<sup>th</sup> March, 2022
- Photonics by Athulya G, AP, ECE Dept. On 23<sup>rd</sup> March, 2022
- Google lens by Ms Anjana P AP, CSE Dept. on 30<sup>th</sup> March, 2022

#### **Funded projects received**

- The fund for the project Analysis of Wave attack and application of a cost effective erosion control technique in Kozhikode beach headed by Mrs. Divya K.K. was received from KSCSTE.
- The fund for Mapathon Keralam project KSITM headed by Mr. Sreejith C. was received from IT mission.
- Modification of structural lab for PG research under MODROB, AICTE headed by Dr. Sangheetha S. was received from AICTE.

#### **Student Activities**

- Saturday series of imparting knowledge was done. On 1<sup>st</sup> January, video series uploaded on “5 G” by Mr. Mohammed Feroz. On 8<sup>th</sup> January, video series uploaded on “Self-healing concrete” By Ms. Sreya R. On Feb 1st, 21st video series uploaded by Aarsha V, S1 CSE, on topic "Robotics". On 15<sup>th</sup> January video series were uploaded on “Working of solar light” by Abinand S. On 22<sup>nd</sup> January, video series were uploaded on “Different type of steering systems” by Mr. Anurag KV. On 29<sup>th</sup> January, video series were uploaded on "Kinetic road” by Ms. Adhitya T. On Feb 7<sup>th</sup>, 22<sup>nd</sup> video series uploaded by Goutham Krishna, S1 CSE, on topic " Automatic Transmission or Auto Shifting Gear Technology ". On Feb 15<sup>th</sup>, 23<sup>rd</sup> video series uploaded by Anamika V T, S1 CSE, on topic "Edge Computing". On Feb 22<sup>th</sup>, 24<sup>th</sup> video series uploaded by Anjana Jayaraj P, S1 CE, on topic "Thermal Bridging". On Mar 5<sup>th</sup>, 25<sup>th</sup> video series uploaded by Mohammed Hamras, S1 CSE, on topic “Generation of computers"
- Tech news “Exploration of Latest technology along with creative corner and Quiz corner” was released by the first year students on 18<sup>th</sup> January 2022 and on 15<sup>th</sup> February, 2022.
- As a part of spread the knowledge series, PG students had taken initiatives to organize lectures for the UG students in order to enhance practical skills and placement awareness. Different orientation sessions were organized on 2<sup>nd</sup>, 5<sup>th</sup> and 7<sup>th</sup> February by the students of Computer Science Department. Webinars Presented

By PG Research Scholars: in online mode (google meet) ."Non fungible token - A digital asset" by Preetha M S on 2nd February . On 5th February "An Efficient Food Supply Chain using Block Chain technology" presented by Ajilal M , "An efficient framework of VPN between trusted Users" by Christo Varghese and "Utilisation of Data Mining in Cyber Security" by Mashhura Mansur. "BlockChain Technology as a BaaS Platform" by Fahimshad SV , "An efficient IDS using Machine learning Models" by Anila VP on 7th February, 2022.

#### Faculty Enrichment Activities

- Mr. Vinoth Khanna, AP, Dept. Of ME attended FDP on "Sustainable Product Design and Manufacturing" at Shri Mata Vaishno Devi University from 10<sup>th</sup> to 14<sup>th</sup> January, 2022.
- Mr. Vinoth Khanna, AP, Dept. Of ME attended FDP on Thermal Engineering at JCT College of Engineering and Technology from 9<sup>th</sup> to 11<sup>th</sup> February, 2022.
- Mr. Vinoth Khanna, AP, Dept. Of ME attended FDP on "Heating, Ventilation and Air Conditioning" at NITTR, Chennai from 21<sup>st</sup> to 25<sup>th</sup> February, 2022.
- Mr. Vinoth Khanna, AP, Dept. Of ME attended Faculty Development and Executive Programme (FDEP) on "Emerging Trends in Mechanical Engineering" from 10<sup>th</sup> to 14<sup>th</sup> March, 2022.
- Dr.Kavitha S. Murugesan, Ms. Shibi B., Ms. Anjana, Ms.Ranjana, Ms. Shilpa, Ms.Sruthi, faculty, CSE Dept. Attended CSI sponsored one week Online FDP on Advances In Natural Language Processing using AI in association with VJEC,Chemperi from 14<sup>th</sup> to 18<sup>th</sup> March, 2022.
- Dr.Kavitha S. Murugesan, Ms. Shibi B., Ms. Anjana, Ms.Ranjana, Ms. Shilpa, Ms.Sruthi, faculty, CSE Dept. Attended 3 days FDP on "Artificial Intelligence and Data Science" Organized by Dept of CSE ,SNGCE, Ernakulam from 17<sup>th</sup> to 19<sup>th</sup> March, 2022.
- Dr.Kavitha S. Murugesan, Ms. Shibi B., Ms. Anjana, Ms.Ranjana, Ms. Shilpa, Ms.Sruthi, faculty, CSE Dept. Attended AICTE sponsored 5 days online STTP on "High Performance Computing And deep Learning For image and text Analysis session -2 from 21<sup>st</sup> to 25<sup>th</sup> March, 2022.
- Mr. Vinoth Khanna, AP, Dept. Of ME attended FDP on 'Advances in Materials and Composites' at GITAM School of Technology from 23<sup>rd</sup> to 25<sup>th</sup> March, 2022.

#### Social Outreach Activities along with UBA/ NSS

- NSS unit had organized an awareness class on Blood donation on 12<sup>th</sup> January 2022 and the resource person was Mr. Arun Manjeri, BDK, Eranad Co-ordinator.
- As a part of World Cancer day, an awareness session on "**Oral Cancer Awareness Program**" organised by APJAKTU NSS CELL in association with ASMIK on Feb 13<sup>th</sup> 10.00 AM. The talk was given by Dr Deepthi TR, Medical Officer in online mode Zoom meeting.
- NSS Unit 601 and CSE Department in association with NDLI celebrated Mathrubhasa Diwas by organizing poster ,singing ,quiz and debate competition from 17<sup>th</sup> to 21<sup>st</sup> February, 2022.

#### Co-Curricular/ Extra Curricular Activities

- Maatu Pongal Celebrations were observed on 14th January, 2022 at Vedavyasa farms by the students and teachers of VVIT.
- Motivational talk was done by Dr. Nimmy John V , about the topic "New year resolution to make it possible" on 3<sup>rd</sup> January, 2022.
- "Universal human values" by Prof. Balakrishnan was conducted on 17<sup>th</sup> January, 2022 and Students were directed by Ms. Saranya V and Ms. Ashith T, AP, DSH.

- Professional ethics- In the light of right Understanding” by Dr. Haseena V A , AP, EEE. Students were directed by Ms. Saranya V and Ms. Ashith T, AP, DSH on 19<sup>th</sup> February, 2022.
- “ Integrated approach in Science and technology for a sustainable future” by Dr. Julin Joseph was organised as a part of science day celebrations on 28<sup>th</sup> February 2022.
- Online workshop on “Developing Market for Electric Vehicles and E-Cooking” organized by Dept. of EEE in association with KSEB on 7<sup>th</sup> March, 2022.
- “Motivational speech” by Dr. Lijin George , AP, DSH was organized on 9<sup>th</sup> March, 2022. Students were directed by Ms. Saranya V and Mr.Rashique , AP, DSH
- The second year and third year students of Computer Science Department visited the BSNL OCB Telephone exchange Manjeri to enhance the practical knowledge.
- Final year UG and PG students in the department of civil engineering visited the Matter lab, Cheruvannur on 16th March, 2022 as a part of concrete day celebrations which is a commercialized lab for testing of construction materials.
- Online workshop on Developing market for electric vehicles and e-cooking was conducted by the Dept. Of CSE on 7th March, 2022.
- On March 8th, 2022 Women Forum VVIT as a part of International Women's Day Celebration organized an online Special talk session. Session 1 - “Women Wellness” by Dr. Sripriya Shaji, Counselling Psychologist. Session 2 - “She Leads” by Mrs. Radhika Abhiram, RJ at AIR Calicut.

VEDAVYASA INSTITUTE OF TECHNOLOGY

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